



**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
Form PTO-1449 (Modified)
Use several sheets if necessary)

Sheet

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of

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COMPLETE IF KNOWN

Application Number	09/893,316
Confirmation Number	2811
Filing Date	June 26, 2001
First Named Inventor	Timothy Reardon
Group Art Unit	1734
Examiner Name	Jerry A. Loreng
Attorney Docket No.	29195-8161US1

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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear
		NUMBER	Kind Code (if known)			
GRK		4,339,297		Aigo	07/13/82	—
		4,788,994		Shinbara	12/06/88	—
		5,085,560		Thompson et al.	02/04/92	—
		5,168,887		Thompson et al.	12/08/92	—
		5,222,310		Thompson et al.	06/29/93	—
		5,235,995		Bergman et al.	08/17/93	—

FOREIGN PATENT DOCUMENTS

Examiner Initial	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				
GRK		JP	*55-069817	App	Fujitsu Ltd.	05/26/80	—	
GRK		JP	*55-174652		Hitachi Ltd.	03/03/83	—	
GRK		JP	*61-139314	App	Electro Plating Engineers of Japan Ltd.	12/24/87	—	
GRK		JP	*63-153839	App	Dainippon Screen Mfg Co.	06/27/88	—	
GRK		JP	*62-36974	App	Kansai NEC Corp.	09/21/88	—	
GRK		JP	*62-66262	App	Hitachi Ltd.	09/28/88	—	
GRK		JP	*62-194881	App	Sanyo Electric Co. Ltd.	02/09/89	—	
GRK		JP	62-278528		Mitsubishi Electric Corp	05/12/89	—	
GRK		JP	*01-129156		NEC Corp	05/22/89	—	
GRK		JP	*63-165764		Fujitsu Ltd.	01/19/90	—	

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
GRK		PATTON, Evan E., "Automated Gold Plate-Up Bath Scope Document and Machine Specifications," Tektronix, August 4, 1989; pp 1-13.	

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Application Number	09/893,316
Confirmation Number	2811
Filing Date	06/26/2001
First Named Inventor	Timothy J. Reddon et al.
Group Art Unit	1734
Examiner Name	

Sheet 1 of 5 Attorney Docket No. 29195-8161US

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
GRK		3,641,973		Shrader	2/15/72	
		3,770,598		Creutz	11/6/73	
		3,798,056		Okinaka et al.	3/19/74	
		3,950,184		Adams et al.	4/13/76	
		3,962,047		Wagner	6/8/76	
		3,978,578		Murphy	9/7/76	
		4,027,686		Shortes et al.	6/7/77	
		4,092,176		Kozai et al.	5/30/78	
		4,110,176		Creutz, deceased et al.	8/29/78	
		4,113,492		Sato et al.	9/12/78	
		4,118,303		Gibbs	10/3/78	
		4,137,867		Aigo	2/6/79	
		4,170,959		Aigo	10/16/79	
		4,226,208		Nishida et al.	10/7/80	
		4,246,088		Murphy et al.	1/20/81	
		4,259,166		Whitehurst	3/31/81	
		4,280,882		Hovey	7/28/81	
		4,304,641		Grandia et al.	12/8/81	
		4,315,059		Raistrick et al.	2/9/82	
		4,336,114		Mayer et al.	6/22/82	
		4,339,313		Rechlicz	7/13/82	
		4,339,319		Aigo	7/13/82	
		4,341,613		Prusak et al.	7/27/82	
		4,351,266		Ando et al.	9/28/82	
		4,373,988		Bauer et al.	2/15/83	

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
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COMPLETE IF KNOWN

Application Number 09/893,316

Confirmation Number 2811

Filing Date 06/26/2001

First Named Inventor Timothy J. Reardon et al.

Group Art Unit 1734

Examiner Name

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Sheet	2	of	5	Attorney Docket No.	29195-8161US
GRK	4,376,685		Watson	3/15/83	
	4,405,416		Raistrick et al.	9/20/83	
	4,428,815		Powell et al.	1/31/84	
	4,435,266		Johnston	3/6/84	
	4,466,864		Bacon et al.	8/21/84	
	4,469,566		Wray	9/4/84	
	4,489,740		Rattan et al.	12/25/84	
	4,510,176		Cuthbert et al.	4/9/85	
	4,514,266		Cole et al.	4/30/85	
	4,518,678		Allen	5/21/85	
	4,534,832		Doiron, Jr.	8/13/85	
	4,565,607		Hanak et al.	1/21/86	
	4,597,836		Schaer et al.	7/1/86	
	4,624,749		Black et al.	11/25/86	
	4,675,096		Tateishi et al.	6/23/87	
	4,693,805		Quazi	9/15/87	
	4,696,729		Santini	9/29/87	
	4,732,785		Brewer	3/22/88	
	4,750,505		Inuta et al.	6/14/88	
	4,827,867		Takei et al.	5/9/89	
	4,828,654		Reed	5/9/89	
	4,838,978		Sekine et al.	6/13/89	
	4,838,979		Nishida et al.	6/13/89	
	4,856,456		Hillman et al.	8/15/89	
	4,856,641		Matsumura et al.	8/15/89	
	4,861,452		Stierman et al.	8/29/89	
↓	4,861,563		Shekerjian et al.	8/29/89	

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Application Number	09/893,316
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First Named Inventor	Timothy J. Reardon et al.
Group Art Unit	1734
Examiner Name	

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Sheet	3	of	5	Attorney Docket No.	29195-8161US
GPK	4,879,007		Wong	11/7/89	
	4,906,346		Hadersbeck et al.	3/6/90	
	4,924,890		Giles et al.	5/15/90	
	4,931,149		Stierman et al.	6/5/90	
	5,000,827		Schuster et al.	3/19/91	
	5,024,746		Stierman et al.	6/18/91	
	5,039,381		Mullarkey	8/13/91	
	5,055,425		Leibovitz et al.	10/8/91	
	5,069,760		Tsukamoto et al.	12/3/91	
	5,078,852		Yee et al.	1/7/92	
	5,092,975		Yamamura et al.	3/3/92	
	5,096,550		Mayer et al.	3/17/92	
	5,100,502		Murdoch et al.	3/31/92	
	5,100,516		Nishimura et al.	3/31/92	
	5,155,336		Gronet et al.	10/13/92	
	5,158,100		Tanaka et al.	10/27/92	
	5,162,260		Leibovitz et al.	11/10/92	
	5,169,408		Biggerstaff et al.	12/8/92	
	5,222,310		Thompson et al.	6/29/93	
	5,224,504		Thompson et al.	7/6/93	
	5,227,041		Brogden et al.	7/13/93	
	5,228,966		Murata	7/20/93	
	5,230,743		Thompson et al.	7/27/93	
	5,238,500		Bergman	8/24/93	
	5,252,807		Chizinsky	10/12/93	
	5,256,274		Poris	10/26/93	
	5,259,407		Tuchida et al.	11/9/93	

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Application Number 09/893,316

Confirmation Number 2811

Filing Date 06/26/2001

First Named Inventor Timothy J. Reardon et al.

Group Art Unit 1734

Examiner Name

Attorney Docket No. 29195-8161US

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GRK	5,275,976	Moslehi	1/4/94	
	5,290,361	Hayashida et al	3/1/94	
	5,294,257	Kelly et al.	3/15/94	
	5,312,487	Akimoto et al.	5/17/94	
	5,316,974	Crank	5/31/94	
	5,328,589	Martin	7/12/94	
	5,232,328	Owczarz et al.	8/3/93	
	5,332,487	Young, Jr. et al.	7/26/94	
	5,235,995	Bergman et al.	8/17/93	
	5,252,137	Tateyama et al.	10/12/93	
	5,270,248	Rosenblum et al.	12/14/93	
	5,340,437	Erk et al.	8/23/94	
	5,349,978	Sago et al.	9/27/94	
	5,368,711	Poris	11/29/94	
	5,372,699	Rischke et al.	12/13/94	
	5,377,708	Bergman et al.	1/3/95	
	5,391,285	Lytle et al.	2/21/95	
	5,405,518	Hsieh et al.	4/11/95	
	5,415,890	Kloiber et al.	5/16/95	
	5,421,987	Tzanavaras et al.	6/6/95	
V	5,429,733	Ishida	7/4/95	

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIALS	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Kind Code Number (if known)				
GRK		EPO	EP0184279	Hillman et al.	6/11/86		
		EPO	EP0290218	Mears et al.	11/9/88		
		EPO	EP0360678	Syverson	3/28/90		
U	&	JPO	JP 04131395	Toru et al.	5/6/92		

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Application Number	09/893,316
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Group Art Unit	1734
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Attorney Docket No.	29195-8161US/100

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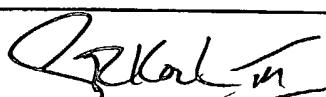
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GRK	&	JPO	JP 04280993	Hirobumi et al.	10/6/92	
	&	JPO	JP 58-182823	Shigeru	10/25/83	
	&	JPO	JP 6017291	Hiroyuki	1/25/94	
	&	JPO	JP 63-118093	Kokichi	5/23/88	
	&	JPO	JP59-208067	Katsuhiro	11/26/84	
		PCT	WO 97/12079	Crafts et al.	4/3/97	

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T
GRK		Evan E. Patton, et al., "Automated Gold Plate-Up Bath Scope Document and Machine Specifications", Tektronix Confidential, dated August 4, 1989, pages 1-13.	
GRK		Tektronix Invention Disclosure Form (Company Confidential), not dated, 4 pages.	

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